

Nº 49603

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office. DEC 23 1985

Returned to applicant for correction.

Corrected application filed.

Map filed. DEC 23 1985

The applicant. PHILLIPS PETROLEUM COMPANY

655 E. 4500 SOUTH, of SALT LAKE CITY
Street and No. or P.O. Box No. City or Town

UTAH 84107, hereby make application for permission to appropriate the public
State and Zip Code No. waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.)

JUNE 13, 1917 DELAWARE

1. The source of the proposed appropriation is UNDERGROUND
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is TEN second-feet
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet.

3. The water to be used for INDUSTRIAL AND DOMESTIC
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated.

(b) Stockwater, state number and kinds of animals to be watered.

(c) Other use (describe fully under "No. 12. Remarks")

(d) Power:

(1) Horsepower developed.

(2) Point of return of water to stream.

5. The water is to be diverted from its source at the following point. SW 1/4 SW 1/4 SECTION 32 T. 18N.,
Describe as being within a 40-acre subdivision of public

R. 20E., M.D.M. WASHOE COUNTY, NEVADA.
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.

TIE: S 57° 12' 17" W, 1078.47 feet TO THE SW CORNER SEC. 32,
T. 18N., R. 20E., M.D.M.

6. Place of use SECTION 32, T. 18N., R. 20E., M.D.M.
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about JANUARY 1st and end about DECEMBER 31st, of each year.
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) DRILL A WELL OF 8" INCH DIAMETER OR
State manner in which water is to be diverted, i.e. diversion structure, ditches and
LARGER TO DEPTH OF 8,000 FEET OR LESS. STEAM AND WATER WILL BE
flumes, drilled well with pump and motor, etc. DIVERTED FROM THE WELL.

9. Estimated cost of works. \$1,000,000.

10. Estimated time required to construct works ONE YEAR TO DRILL THE WELL. PIPING TO BE
If well completed, describe works.
INSTALLED JUST PRIOR TO APPLICATION OF WATER TO BENEFICIAL USE.

11. Estimated time required to complete the application of water to beneficial use TEN YEARS.

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual
consumptive use.

WELL TO DEVELOP GEOTHERMAL RESOURCES.

By S/ Richard C. Lenzer
655 East 4500 South
Salt Lake City, UT 84107

Compared jm/se js/bc

Protested _____

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal to the source must be submitted together with the Proof of Completion.
(Continued on Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 10.0 cubic feet per second, but not to exceed a consumptive use of 1452.87 acre-feet annually.

Work must be prosecuted with reasonable diligence and be completed on or before April 25, 1988

Proof of completion of work shall be filed on or before May 25, 1988

Application of water to beneficial use shall be made on or before April 25, 1993

Proof of the application of water to beneficial use shall be filed on or before May 25, 1993

Map in support of proof of beneficial use shall be filed on or before _____

Completion of work filed _____ IN TESTIMONY WHEREOF, I, PETER G. MORROS

Proof of beneficial use filed _____ State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 25th day of April,

Cultural map filed _____ A.D. 1988

Certificate No. _____ Issued _____

(PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 7239.67 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only 20% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of and regulate consumptive use at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The total combined consumptive use under Permits 34917, 40444, 41126, 42444, 42445, 42447, 42448, 42449, 43881, 43882 and 49603 shall not exceed 10% of the total combined diversion rate or 7963.67 acre-feet annually.